Hitachi Colour TV

Instruction manual

C29-F880S
C29-F880SN
C29-F880SNT

HITACHI

Thank you for purchasing this colour TV.

Please read this instruction manual carefully before using the TV, especially the "Safety Precautions" in page 3-4. Keep it carefully for future reference.

CONTENTS

SAFETY PRECAUTIONS

MAINTENANCE

- When the power cord or plug is damaged or frayed, unplug this TV from the wall outlet and refer servicing to qualified service personnel.

  NO!

- Do not overload wall outlets and extension cords as this can result in fire or electric shock.

  NO!

- Do not allow anything to rest on or roll over the power cord and do not place the TV where the power cord is subject to traffic or abuse. This may result in a shock or fire hazard.

  NO!

- If the TV set has been dropped or the cabinet has been damaged, unplug this TV set from the wall outlet and refer servicing to qualified service personnel.

- Never push objects of any kind into this TV set through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock.

- Do not attempt to service this TV yourself as opening or removing covers may expose you to dangerous voltage. Refer all servicing to qualified service personnel.

- Do not place this TV set on an unstable cart, stand or table. The TV set may fall, causing serious injury to human and serious damage to the appliance.
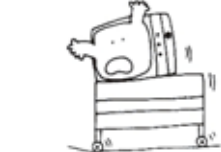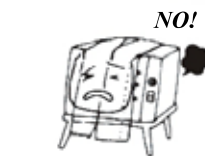
- Avoid dusty places, since accumulated dust inside the chassis may cause failure of the set when high humidity persists.

- Do not use this TV set near water, for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, etc.

  NO!

- Never cover the slots or openings of the set with cloth or other material.

  NO!

- Never block the bottom ventilation slots of the set by placing it on a bed, sofa, rug, etc.

- Never place the set near or over a radiator or heat register.

  NO!

- Never place the set in a "built-in" enclosure, unless proper ventilation is provided.

- The TV set shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the TV set.
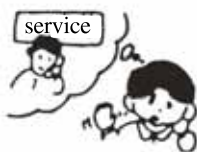
MAINTENANCE

● Choose a place where light (artificial or sunlight) does not shine directly on the screen.

● If the set does not work properly:
If you are unable to restore normal operation by following the "TROUBLESHOOTING" section in your operating manual, do not attempt any further adjustment. Unplug the set and consult service personnel.

● Adjust only those controls that are covered in the operating manual as improper adjustment of other controls may result in damage, please ask your service personnel to restore the set to normal operation.

● Lightning:
In order not to damage the parts in the set, unplug and remove the antenna connection during lightning.

● If a strange sound or smell gives off from this set, please turn off the television and unplug from the wall outlet, then refer to service personnel.

● To prevent fire, never place any type of candle or naked flames on the top or near the TV set.

● Avoid any kind of impact to your television. Be special careful not to damage the screen face.

● When going out:
If your television set is set to remain unused for a period of time, turn off the television and unplug it from the wall outlet.
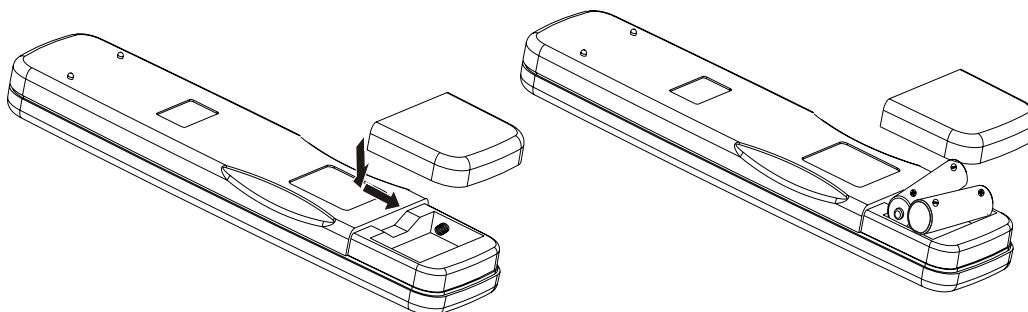
SETUP

Insert The Batteries

1 Remove the battery cover by pressing it and sliding it down.

2 Insert the two 1.5V (AAA size) batteries making sure the polarity (+ or -) of the batteries matches the polarity marks inside the unit.

3 Replace the battery cover by sliding it in until you hear a click sound.

Precautions when using batteries

- Do not use old and new batteries together.
- Do not use different types of batteries (for example, Manganese and Alkaline batteries) together.
- Note that there are chargeable and non-chargeable batteries. Do not attempt to charge non-chargeable batteries.
- Remove the batteries from the remote control unit if you do not intend to use the unit for a long time.

Precautions when using the remote control unit

- Do not drop the remote control unit.
- Do not subject the remote control unit to physical shocks.
- Keep the remote control unit dry. Wetting it may cause the unit to malfunction.
- Replace the batteries with new ones when operation of the unit deteriorates.

FUNCTIONAL PARTS

Front View of TV Set

1. Power Switch
2. Power Indicator
3. Remote Sensor
4. Side Panel
5. Speakers
6. Program Down / Up Button
7. Volume Down / Up Button
8. Menu Button
9. TV/AV Button
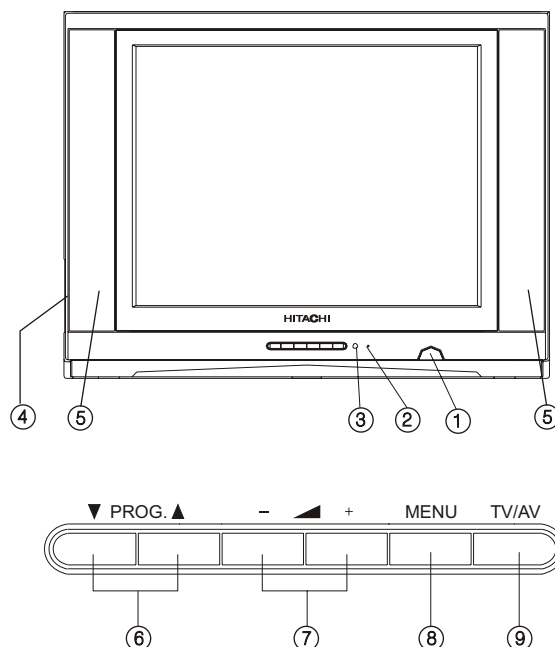
To turn the TV power ON

Press the power switch on the TV set to switch on the TV.
When the TV set is ON ,the power indicator lights up dimly in red.

Standby Mode

At standby mode, the power indicator lights up brightly in red.
You can switch on the TV set or switch it to standby mode using the ⏻ button on the remote control unit. The picture usually takes a few second before appearing.
You can also press any number (0-9), P+ or P - buttons to switch it on from standby mode.

To turn the TV power OFF

Press the power switch on the TV set to switch off the TV.
When the TV set is off, the power indicator will not light up.

NOTE

• If the TV set does not receive any signal for 5 minutes, it will enter standby mode.

• If you are not going to use this TV set for a long time, switch off the set using the power switch on the TV set and disconnect the power plug from the wall outlet.

• Please note that the remote control unit can switch the TV set to ON or to STANDBY mode only when the main power is ON.

Rear View of TV Set

1. YCbCr IN Terminals (YUV)
2. Antenna Input Socket (75 Ohm)
3. S-Video In Terminals
4. AV IN 1 Terminals
5. AV OUT Terminals
6. AC Power Cord

YCbCr IN

Y   Cb   Cr

AUDIO

LEFT   RIGHT

75ΩANT

S-VIDEO

AV IN 1
VIDEO

AUDIO

LEFT

RIGHT

AV OUT
VIDEO

AUDIO

LEFT

RIGHT
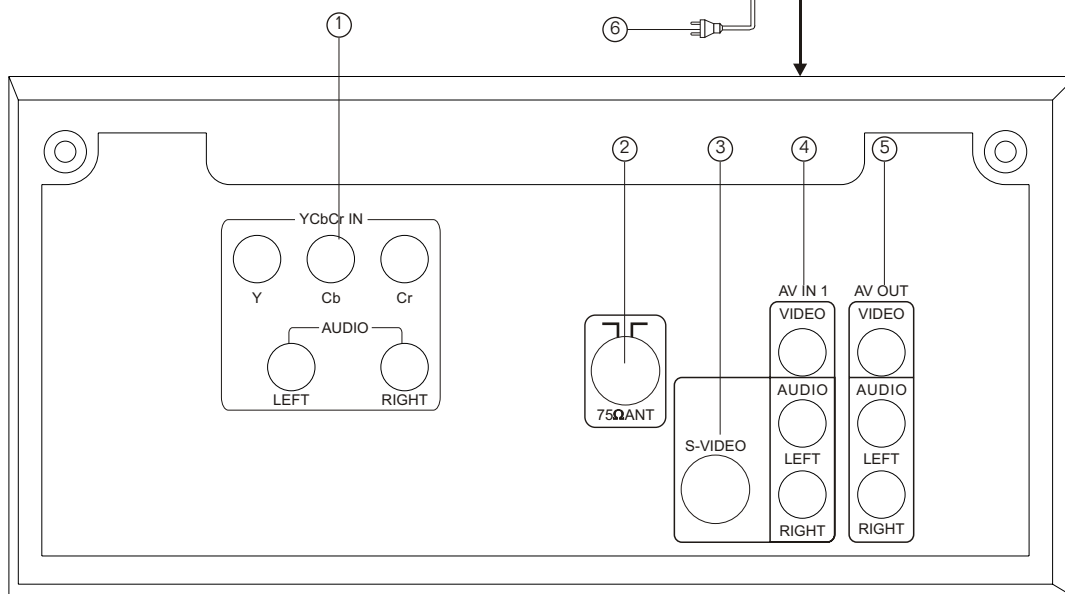
Side Panel of TV Set

1. AV IN 2 Terminals
2. Headphone Jack

AV IN 2
VIDEO

LEFT

RIGHT

HITACHI
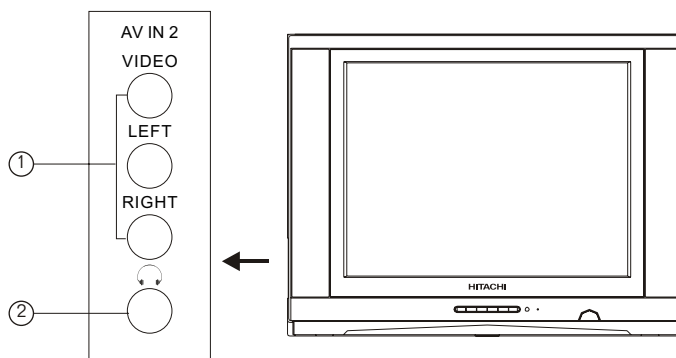
NOTE
- For Australia only - Install an external aerial conforming to AS 1417.1 for safety purpose.
- S.VIDEO and AV IN 1 (VIDEO) inputs cannot be used at the same time.

Precautions when connecting to other equipment
- When using external equipment with this TV set, please read the instruction manual of the external equipment.
- Switch off all power supplies to the equipment and TV set before connection.
- Always ensure that the input and output terminals are correctly connected.

Remote Control Unit
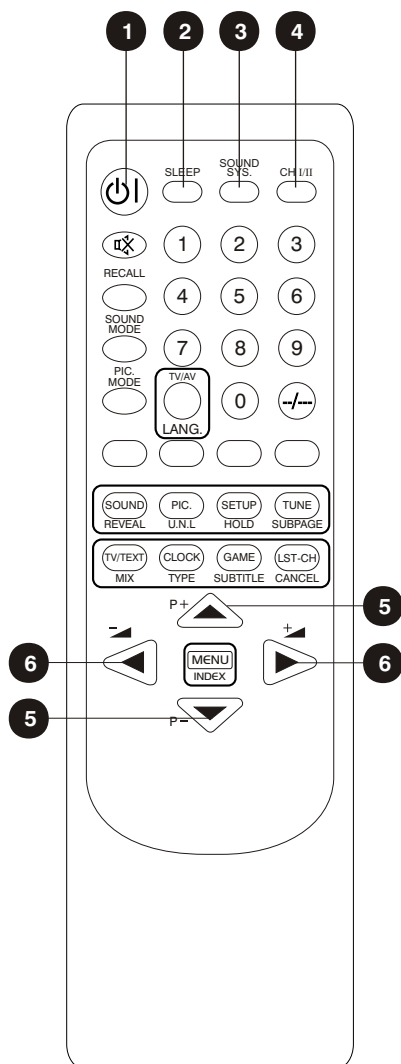
1 POWER ON / STANDBY button
Press this button to switch on the TV when at standby mode or vice versa.
Press any number 0-9, $\boxed{P+}$ or $\boxed{P-}$ buttons will also switch on the TV from standby mode.

2 SLEEP button
Press this button to set the sleep timer.
When the preset length of time has passed, the TV set enters standby mode.

3 SOUND SYSTEM button
Press this button to select the correct sound system.

4 STEREO/BILINGUAL SOUND button[*1]
When stereo program is received, press this button to select STEREO or MONO.
In AV MODE ,press this button or select STEREO, CH-L or CH-R.
When bilingual program is received, press this button to select DUAL-1, DUAL-2 or MONO.
The screen will display NICAM or A2 when such broadcast is received.

Mode	Description
STEREO	Stereo mode.
MONO	Mono mode.
DUAL-1	Multi-sound channel for language 1.
DUAL-2	Multi-sound channel for language 2.
CH-L	Left sound track.
CH-R	Right sound track.

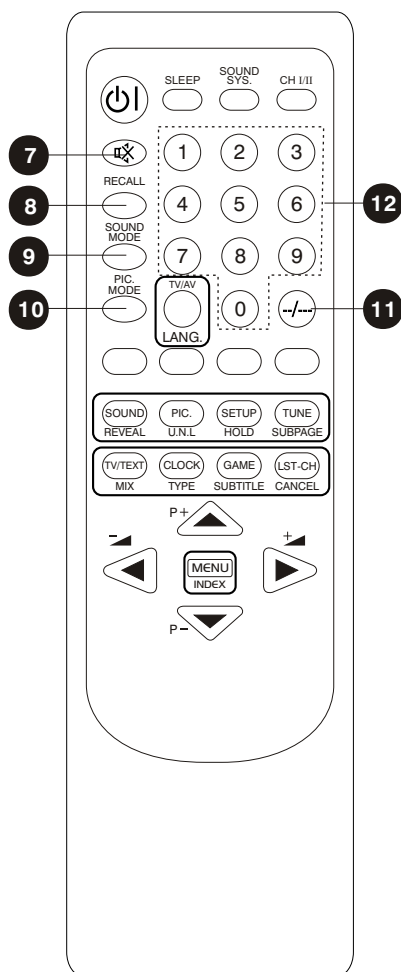**5 CHANNEL UP** $\boxed{P+}$ / **DOWN** $\boxed{P-}$ buttons[*2]
Press these buttons to select channels in ascending or descending order.

6 VOLUME UP / **DOWN** buttons
Press these buttons to adjust the volume level up or down.
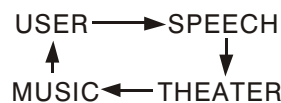
Remote Control Unit

7 MUTE button

Press once to mute the sound. Press again to restore the sound volume.

8 RECALL button

Press this button to display the settings on the screen. (e.g. Channel number, system)

9 SOUND MODE button

Press this button to select the desired sound mode.

USER → SPEECH
↑ ↓
MUSIC ← THEATER

Sound Mode	Description
USER	User preset sound mode.
SPEECH	Low treble and low bass level.
THEATER	High treble and high bass level.
MUSIC	Middle treble and middle bass level.

10 PICTURE MODE button

Press this button to select the desired picture mode.

USER → SOFT
↑ ↓
RICH ← STANDARD
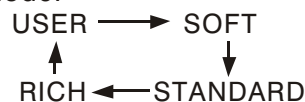
Picture Mode	Description
USER	User preset picture mode.
SOFT	Low contrast and low brightness level.
STANDARD	Middle contrast and middle brightness level.
RICH	High contrast and high brightness level.

11 DIGIT button

This TV allows you to select channels from 0 to 199.

Press this button to select one-digit, two-digit or three-digit channels input options.
To select a one-digit channel (e.g. Channel 8), press this --/--- button to change channel selection to "-" on screen display and press the "8" button only.
To select a two-digit channel (e.g. Channel 28), press this --/--- button to change channel selection to "--" on screen display and press "2" and "8" buttons.
To select a three-digit channel (e.g. Channel 128), press this --/--- button to change channel selection to "1--" on screen display and press "2" and "8" buttons.

12 CHANNEL SELECTION buttons

Press the number buttons to select a channel.

9

Remote Control Unit

13 MENU button[*2]

Press this button to enter the menu screens for various optional adjustable settings.

14 TV/AV button[*2]

Press this button to switch between TV broadcasts and AV input programs.
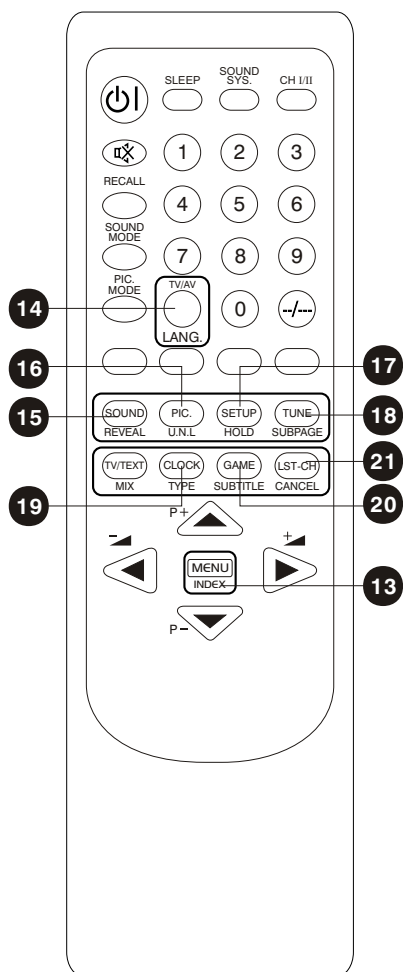
$$TV \rightarrow AV1 \rightarrow AV2$$
$$YCbCr \leftarrow S\text{-}VIDEO$$

15 SOUND MENU button[*2]

Press this button to enter into the [SOUND] menu directly.

16 PICTURE MENU button[*2]

Press this button to enter into the [PICTURE] menu directly.

17 SETUP MENU button[*2]

Press this button to enter into the [SETUP] menu directly.

18 TUNE MENU button[*2]

Press this button to enter into the [TUNE] menu directly.

19 CLOCK button[*2]

Press this button to display the preset clock time.

20 GAME button[*2]

Press this button to enter the game provided with this TV set. Press this button again or RECALL button to exit.

Buttons	Actions In Game
P -	To speed up.
P+	To transform.
◢	To shift left.
◢	To shift right.
MENU	To restart the game.

21 LAST CHANNEL button[*2]

Press this button to return to previously viewed channel.

NOTE

[*1] Only applicable to models with NICAM and Sound Multiplex function only.
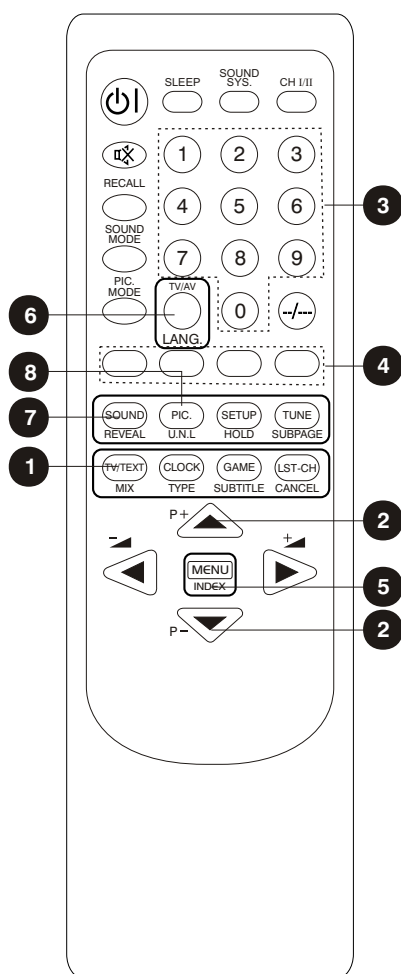
[*2] See "Teletext Operations" section for details of these buttons functions in Teletext mode. Only applicable to models with Teletext function only.

TELETEXT OPERATIONS

For models with Teletext function only.

This page shows the function of the buttons on the remote control unit when in Teletext mode.

1 **TV**/**TEXT** button
Press this button to enter Teletext mode.
Press this button the second time to superimpose the teletext page over the TV programme.
Press this button again to exit .

2 **TELETEXT PAGE UP** [P+] / **DOWN** [P -] buttons
Press these buttons to increase or decrease the Teletext page number.

3 **PAGE NUMBER SELECTION** buttons
Press the number buttons to select a Teletext page number.

4 **COLOUR** buttons
Press these buttons to access directly to the corresponding pages displayed at the lower part of the Teletext screen.

5 **INDEX** button
Press this button to go to the index page.

6 **LANGUAGE** button
Press this button to select the Teletext language (if applicable e.g. English or Russian).

7 **REVEAL** button
Press this button to reveal the hidden information for some Teletext pages (e.g. answers to puzzles or riddles). Press again to hide the information.

8 **U.N.L** button
Press this button to change the Teletext screen display mode through the following:
- Upper half screen enlarged
- Lower half screen enlarged
- Normal screen state
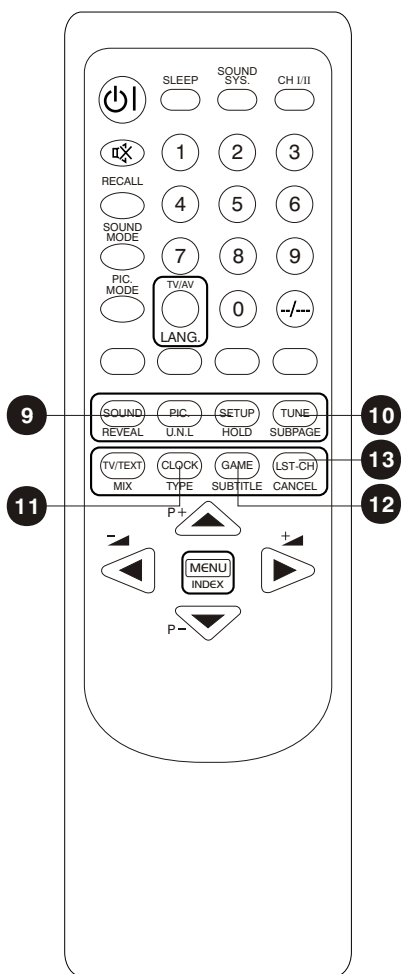
9 **HOLD** button

Press this button to hold the Teletext page on display to prevent the page from changing. Press again to release the hold state.

10 **SUB PAGE** button

Some Teletext pages may contain several sub-pages which are automatically paged in a certain cycle by the TV station. Press this button once, "0001" will be displayed on screen. Enter number buttons (0-9) to look for other sub-pages if available. If there is no sub-pages, "****" will be displayed. Press this button again to cancel.

11 **TYPE** button

Press this button to switch the Teletext type such as west/east type directly if applicable.

12 **SUB TITLE** button

Some TV channels transmit program with optional sub-titles. Press this button to view sub-titles if applicable.

13 **CANCEL** button

Press this button to return to the TV mode temporarily while searching for a required text page. When the required text page has been received, the page number will be displayed at the top left of the screen. Press this button again to display the Teletext screen.
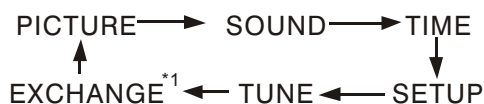
MENU SCREENS

This TV set allows you to adjust any settings by selecting from the menu screens.
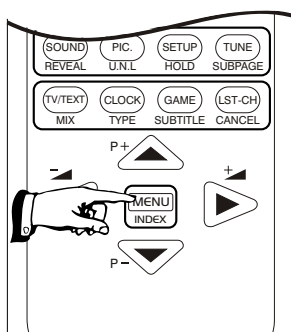
Press the $\boxed{\text{MENU}}$ button to enter the menu screens for the following optional adjustable settings.

PICTURE $\longrightarrow$ SOUND $\longrightarrow$ TIME

EXCHANGE[*1] $\longleftarrow$ TUNE $\longleftarrow$ SETUP

[PICTURE] menu

```
       PICTURE
CONTRAST        75
BRIGHTNESS      48
COLOUR          48
SHARPNESS       75
HUE              0
BLACK STRETCH   OFF
COMB FILTER     ON
```

This menu allows you to adjust the picture settings according to your preference.

1 Press the $\boxed{\text{MENU}}$ button 1 time or press the $\boxed{\text{PIC.}}$ button directly.

2 Select the desired item using the $\boxed{\text{P+}}$ and $\boxed{\text{P -}}$ buttons.

3 Use the $\boxed{+\blacktriangleleft}$ and $\boxed{\blacktriangleright}$ buttons to adjust the settings.

4 Press the $\boxed{\text{MENU}}$ button 6 times or press $\boxed{\text{PIC.}}$ button to exit to TV mode.

Selected Items	Functions
BRIGHTNESS	Adjust brightness level.
CONTRAST	Adjust contrast level.
COLOUR	Adjust colour intensity.
SHARPNESS	Adjust sharpness level.
HUE[*2]	Adjust the hue towards red(+) or green(-) picture tones.
BLACK STRETCH	Select ON to extend the black levels to enhance contrast.
COMB FILTER[*3]	Select ON to reduce the discolorations in fine picture detail.

NOTE

[*1] [EXCHANGE] menu will not be available in AV mode.

[*2] HUE can only be selected and adjusted when receiving NTSC broadcasts.

[*3] COMB FILTER cannot be set to ON when receiving no colour signal or is at S-VIDEO input program or YUV input program.

[SOUND] menu

```
        SOUND

VOLUME          6
BASS           50
TREBLE         50
BALANCE         0
TRUBASS        ON
SURROUND       ON
```

This menu allows you to adjust the sound settings according to your preference.

1 Press the MENU button 2 times or press SOUND button directly.

2 Select the desired item using the P+ and P - buttons.

3 Use the +◢ and ◢ buttons to adjust the settings.

4 Press the MENU button 5 times or press SOUND button to exit to TV mode.

Selected Items	Functions
VOLUME	Adjust volume level.
BASS	Adjust bass level.
TREBLE	Adjust treble level.
BALANCE	Adjust speaker sound towards left(-) or right (+) speaker.
TRUBASS [*1]	Select ON to enjoy SRS TRUBASS sound.
SURROUND	Select ON to enjoy surround sound effect.

[TIME] menu [*2]

```
         TIME

CLOCK         --:--
ON TIME       --:--
ON PROG          1
OFF TIME      --:--
SLEEP TIMER     20
REMIND TIME   --:--
REMIND PROG      1
```

This menu allows you to set the various timer functions.

1 Press the MENU button 3 times.

2 Select the desired item (e.g. Hour , minute ,channel number) using the P+ and P - buttons.

3 Use the +◢ and ◢ buttons to adjust the settings.

4 Press the MENU button 4 times to exit to TV mode.

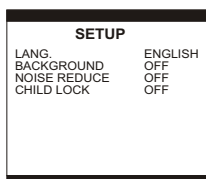| Selected Items	Functions
CLOCK	Set the current clock time.
ON TIME	Set the clock time to switch on TV.
ON PROG	Set the channel number for ON TIME activation.
OFF TIME	Set the clock time to switch off TV.
SLEEP TIMER	Set the length of time to switch off TV.
REMIND TIME	Set the clock time to change to REMIND PROG channel.
REMIND PROG	Set the channel number for REMIND TIME activation.

NOTE

[*1] **SRS◉ TruBass** is a trademark of SRS Labs , Inc.
TruBass technology is incorporated under license form SRS Labs , Inc.

[*2] All the timer functions will only be effective if the power of the TV set is switched off using the remote control unit. If the power is switched off by the power button on the TV set or a power failure occurs, the timer will be reset.
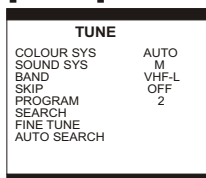
[SETUP] menu

```
        SETUP
LANG.            ENGLISH
BACKGROUND       OFF
NOISE REDUCE     OFF
CHILD LOCK       OFF
```

This menu allows you to adjust the various setup functions.

1 Press the [MENU] button 4 times or press [SETUP] button directly.

2 Select the desired item using the [P+] and [P -] buttons.

3 Use the [+◢] and [◢] buttons to adjust the settings.

4 Press the [MENU] button 3 times or press [SETUP] button to exit to TV mode.

Selected Items	Functions
LANG.	Select the on-screen display language.
BACKGROUND	Select ON to change screen to blue at no signal condition.
NOISE REDUCE	Select ON to reduce noise in weak signal picture.
CHILD LOCK[*1]	Select ON to disable access to TV via buttons on TV.

[TUNE] menu[*2]

```
         TUNE
COLOUR SYS       AUTO
SOUND SYS        M
BAND             VHF-L
SKIP             OFF
PROGRAM          2
SEARCH
FINE TUNE
AUTO SEARCH
```

This menu allows you to set a channel to a desired TV station.

1 Press the [MENU] button 5 times or press [TUNE] button directly.

2 Select the desired item using the [P+] and [P -] buttons.

3 Use the [+◢] and [◢] buttons to adjust/activate the functions.

4 Press the [MENU] button 2 times or press [TUNE] button to exit to TV mode.

Selected Items	Functions
COLOUR SYS[*3]	Select the appropriate colour system.
SOUND SYS	Select the appropriate sound system (i.e. I,M,DK or BG).
BAND	Select band system for tuning (i.e. VHF-L,VHF-H or UHF).
SKIP[*4]	Select ON to skip the channel in PROGRAM.
PROGRAM	Set the channel number by number buttons or [--/---] button.
SEARCH	Activate to manually search for desired broadcast stations.
FINE TUNE[*5]	Fine tune the unsatisfactory signal reception.
AUTO SEARCH	Activate to auto search & preset receivable broadcast stations.

NOTE

[*1] If CHILD LOCK is set to ON, you can access the TV by remote control unit only.
You may keep the remote control unit out of reach to prevent children from any unauthorized access to the TV.

[*2] In AV mode, only COLOUR SYS will be displayed in [TUNE] menu.

[*3] If COLOUR SYS is set to AUTO, the colour system will be detected and selected automatically.
If the signal reception is poor, an incorrect colour system may be detected and selected. You can rectify this problem by setting the colour system (PAL, NTSC, NTSC4.43 or SECAM) manually.

[*4] When SKIP is set to ON, the channel number will be changed from green to grey.

[*5] When using FINE TUNE to adjust the signal reception, the channel number will be changed from green to yellow; if SKIP is set to ON at the same time, the channel number will be changed from yellow to white.

[EXCHANGE]

menu[*1]

```
        EXCHANGE
PROGRAM              1
PROGRAM              1
EXCHANGE
```
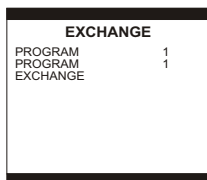
This menu allows you to arrange channel numbers by exchanging between 2 preset channel numbers.

1 Press the MENU button 6 times.

2 Select the first PROGRAM item using the P+ and P - buttons. Use the ±◢ and ▱◢ buttons to select the channel number you want to exchange from.

3 Select the second PROGRAM item using the P+ and P - buttons. Use the ±◢ and ▱◢ buttons to select the channel number you want to exchange to.

4 Select EXCHANGE and press the ±◢ or ▱◢ buttons to activate the exchange command.

5 Press the MENU button to exit to TV mode.

NOTE

[*1] [EXCHANGE] menu is not available in AV mode.

TROUBLESHOOTING

IMPORTANT NOTES

The following problems do not always indicate a hardware failure. Therefore, please use the troubleshooting guide below before calling for repair service.

If, after following the guide none of the remedies work, unplug the TV set and call for service.
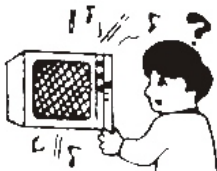
•GHOST:

Please change the direction, height or position of the antenna. Reflections from building or mountains might cause this phenomenon. A highly directional antenna may improve the reception.

•SOUND IS HEARD (BUZZER) BUT NO PICTURE:

Please check whether the brightness and contrast control are properly adjusted, and the antenna is connected into plug properly.

•NO PICTURE AND NO SOUND:

Please check that the TV receiver is plugged in and that the indicator on the front panel of TV lights is red.

**•NO COLOUR PICTURE OBTAINABLE DURING A COLOUR PROGRAM:**

Please check that if the input signal is too weak. Please check the colour control is adjusted properly. Please fine tune the frequency with the method of the fine tuning. For multi-system models, check that the system selected is correct, including colour and audio systems.

•NOISE OR INTERFERENCE:

IGNITION NOISE

White spots and horizontal streaks may appear on the screen. Usually this is caused by interference from automobile, neon lamps or other electrical appliance. So, the antenna should be installed away from such interference sources.
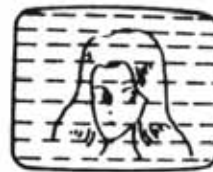
SNOW

Small dots may appear on the entire screen. Check the coaxial cable or antenna installment and the direction.

RADIO FREQUENCY INTERFERENCE

The interference produces moving ripples or diagonal streaks. This is not caused by the receiver but is caused by interference from other signals or radio.

•VCR:

When the VCR test signal (TSG) is received, the lower side of the test pattern is distorted as shown in the figure.This is not a malfunction and the playback picture is not influenced by it.

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Please make these simple checks as indicated (●) on the chart for the respective symptoms and their possible remedies.

Symptoms	Try different channel, if OK, probably station trouble	Check aerial connections on back of set	Check aerial for broken wires	Re-orient aerial (if indoor type)	Probably local interference, such as an appliance	Adjust fine tuning control	Adjust brightness control	Adjust contrast control	Check if station is broadcasting colour	Adjust colour control	Check if system is correctly set	Check if on/off switch is "on"	Check batteries in remote control unit
No picture, no sound	●	●	●		●						●	●	
Poor sound, picture OK	●			●	●	●					●		
Poor picture, sound OK	●	●	●	●	●	●	●				●		
Weak picture	●	●	●	●		●					●		
Blurred picture	●		●	●		●					●		
Double image	●	●	●	●		●							
Lines in picture	●		●	●	●	●							
Distorted picture	●		●	●		●					●		
Weak reception on some channels	●	●	●	●	●	●					●		
Horizontal bars		●	●	●									
Picture rolls vertically	●		●	●	●						●		
Poor colour	●	●	●	●	●	●	●	●		●	●		
No colour	●	●	●	●		●			●	●	●		
Misoperation of Remote control													●
Remote control unit no operation													●
On Screen Display Control outside the screen											●		

SPECIFICATIONS

Model Name	C29-F880S	C29-F880SN	C29-F880SNT
Screen Size	74 cm (29 inch) diagonal		
Power Supply / Power Consumption	Please refer to the values as indicated on the rating label pasted at the back of the TV set.		
NICAM/A2	No	Yes	Yes
Teletext	No	No	Yes [1]
Reception System	Full Multi System		
RF :	PAL - B/G,D/K , I SECAM - B/G,D/K , K1 NTSC-M		
VIDEO :	PAL / NTSC / SECAM NTSC 50 NTSC 4.43 PAL 60 SECAM 60		
Frequency Range	44.25 - 863.25 MHz		
Preset Channels	0 - 199		
Aerial Input	75 Ohm coaxial		
Audio Output	8 W + 8 W		
TV Dimension (W x D x H)	785 x 495 x 591 mm		
TV Weight	44 kg		

Specifications may be subject to change without notice for improvement.

NOTE

[1] Teletext function will only operate in countries where Teletext transmission service is available. If such transmission is unavailable (e.g. in Hong Kong), Teletext function will not operate.

MEMO